

0.*

29,969.÷

31.=

966.741935435*

966.741935435x

10.%

96.6741935435*

96.6741935435

1,053.41512303*

PRETREATMENT MONITORING REPORT

NAME: _____ CITY OF CLIFTON
 MAILING ADDRESS: _____ 900 CLIFTON AVENUE, CLIFTON, NJ 07013
 FACILITY LOCATION: _____ FIREHOUSE #6 - 1202 VAN HOUTEN AVENUE
 CATEGORY & SUBPART: _____ OUTLET#: _____ 001
 CONTACT OFFICIAL: _____ JAMES YELLEN, P.E. _____ TELEPHONE: _____ 973-470-5793
 NEW CUSTOMER ID / OUTLET ID: 03630002-1 _____ OLD OUTLET DESIGNATION: _____ -

MONITORING PERIOD

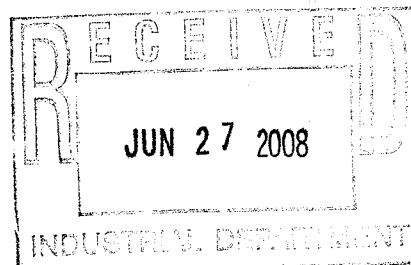
Start			End		
5	1	2008	5	31	2008
MO	DAY	YR	MO	DAY	YR

	Average	Maximum
Regulated Flow-gal/day	-	-
Total Flow-gal/day	999 <u>967</u>	1099 <u>1063</u>

Method Used: _____ TOTALIZING TYPE FLOW METER
 Average= _____ 29,969 _____ gallons in _____ 31 Working Days _____ 967 gal/day
 Production Rate (if applicable) _____ - _____

PARAMETER		MASS OR CONCENTRATION			# OF SAMPLES	SAMPLE TYPE
		MON AVG	MAXIMUM	UNITS		
Cadmium	Sample Measurement	< 0.004	0.004	mg/l	1	COMP
	Permit Requirement	0.19		mg/l		
Copper	Sample Measurement	< 0.003	0.003	mg/l	1	COMP
	Permit Requirement	3.02		mg/l		
Lead	Sample Measurement	< 0.005	0.005	mg/l	1	COMP
	Permit Requirement	0.54		mg/l		
Mercury	Sample Measurement	< 0.0002	0.0002	mg/l	1	COMP
	Permit Requirement	0.08		mg/l		
Nickel	Sample Measurement	< 0.010	0.010	mg/l	1	COMP
	Permit Requirement	5.9		mg/l		
Zinc	Sample Measurement	< 0.005	0.005	mg/l	1	COMP
	Permit Requirement	1.67		mg/l		
PHC	Sample Measurement	< 5.000	5.000	mg/l	1	GRAB
	Permit Requirement	100		mg/l		
VOC	Sample Measurement	0.03	0.026	mg/l	1	GRAB
	Permit Requirement	2.13		mg/l		
BOD	Sample Measurement	< 2.10	2.10	mg/l	1	COMP
	Permit Requirement	0		mg/l		
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					

PVSC FORM MR-1 REV: 4/6/87 P1

PRETREATMENT MONITORING REPORT

Certification of Non-Use if applicable (use additional sheets):

NA

Compliance or non compliance statement with compliance schedule (use additional sheets if necessary) for every parameter used: The city of Clifton is in compliance with PVSC local metals

Explain Method of preserving samples:

VOC's and TPHC were preserved with HCL and chilled to 4° C.Metal samples were preserved with HNO₃ to a pH of <2.0.

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988

A handwritten signature in black ink, appearing to read "Spiros Zois", written over a horizontal line.

Signature of Principal
Executive or Authorized Agent

Spiros Zois
Hydrogeologist

Type Name and Title

6/25/2008

Date



QC Laboratories®

Analytical Report



SPIROS ZOIS
LEGGETTE, BRASHEARS, & GRAHAM
6 ARROW ROAD
SUITE 103
RAMSEY, NJ 07446

Regarding:

SPIROS ZOIS
LEGGETTE, BRASHEARS, & GRAHAM
6 ARROW ROAD
SUITE 103
RAMSEY, NJ 07446

Account No: 001225, LEGGETTE, BRASHEARS & GRAHAM RAMSEY NJ
Project No: 001225, LEGGETTE, BRASHEARS & GRAHAM RAMSEY NJ

P.O. No:
PWSID No:

Inv. No: 976148

Sample Number L2619317-1
Sample Description CLIFTON FIREHOUSE #6 EFFLUENT GRAB
Received Temp: 37 F Iced (Y/N): Y

Samp. Date/Time/Temp
05/30/08 04:00pm NA F

Sampled by
Customer Sampled

Parameter	Method	Result	RLs	Test Date, Time, Analyst
CHLOROMETHANE	EPA 624	ND ug/l	0.620 ug/l	06/03/08 09:59PM MPL
VINYL CHLORIDE	EPA 624	ND ug/l	0.650 ug/l	06/03/08 09:59PM MPL
BROMOMETHANE	EPA 624	ND ug/l	1.14 ug/l	06/03/08 09:59PM MPL
CHLOROETHANE	EPA 624	ND ug/l	1.09 ug/l	06/03/08 09:59PM MPL
TRICHLOROFLUOROMETHANE	EPA 624	ND ug/l	0.980 ug/l	06/03/08 09:59PM MPL
1,1-DICHLOROETHENE	EPA 624	ND ug/l	0.750 ug/l	06/03/08 09:59PM MPL
ACROLEIN	EPA 624	ND ug/l	2.11 ug/l	06/03/08 09:59PM MPL
ACRYLONITRILE	EPA 624	ND ug/l	1.80 ug/l	06/03/08 09:59PM MPL
METHYLENE CHLORIDE	EPA 624	ND ug/l	0.690 ug/l	06/03/08 09:59PM MPL
TRANS-1,2-DICHLOROETHENE	EPA 624	ND ug/l	0.450 ug/l	06/03/08 09:59PM MPL
1,1-DICHLOROETHANE	EPA 624	ND ug/l	0.480 ug/l	06/03/08 09:59PM MPL
CARBON TETRACHLORIDE	EPA 624	ND ug/l	0.720 ug/l	06/03/08 09:59PM MPL
CIS-1,2-DICHLOROETHENE	EPA 624	ND ug/l	0.480 ug/l	06/03/08 09:59PM MPL

- A result of "ND" indicates the concentration of the analyte tested was either not detected or below the RLs.
 - Definitions: ND=not detected; NEG=negative; POS=positive; COL=colonies; RLs=laboratory reporting limits; L/A=laboratory accident; TNTC=too numerous to count
 - A result marked with "DRY" indicates that the result was calculated and reported on a dry weight basis.
 - All analysis, except field tests are conducted in Southampton, PA unless otherwise identified.
 - The test "pH lab" is analyzed upon receipt at the laboratory, the result will not be suitable for regulatory purposes.
 - Actual times of analysis for parameters reported <24 hrs are available upon request. All testing is completed within the required holding time unless otherwise noted.
 - QC NELAP ID's: PA 09-00131, NJ PA166, FL E87954, NY 11223, CT PH-0768, DE PA-018, KY 90228, MD 206, EPA PA00018. Bioassay: PA 09-03574, NJ PA034, FL E87953, KS E10373, SC 89020001.
 - QC STATE ID's: Wind Gap, NJ PA001, PA 48-01334; E RUTHERFORD NJ02015; Vineland NJ06005; Reading PA 06-03543.
 - All samples are collected as "grab" samples unless otherwise identified.
 - MCL= is the EPA recommended "maximum contaminant level" for a parameter. PLs=customer specific permit limits.
 Regulatory authorities are assessing substantial fines for testing omissions. Please track your sample collections and results on a weekly, monthly, or quarterly basis to ensure compliance. QC's internet program 'LIVE ACCESS' will provide you with real-time access to collection dates and results. Please contact Customer Service for further information on acquiring LIVE ACCESS.

Thomas J. Hines
Thomas J. Hines, President

QC Laboratories

Analytical Report



Account No: 001225, LEGGETTE, BRASHEARS & GRAHAM RAMSEY NJ
 Project No: 001225, LEGGETTE, BRASHEARS & GRAHAM RAMSEY NJ

P.O. No:
 PWSID No:

Inv. No: 976148

Sample Number L2619317-1 Sample Description CLIFTON FIREHOUSE #6 EFFLUENT GRAB

Samp. Date/Time/Temp
 05/30/08 04:00pm NA F

Sampled by
 Customer Sampled

Parameter	Method	Result	RLs	Test Date, Time, Analyst
CHLOROFORM	EPA 624	ND ug/l	0.560 ug/l	06/03/08 09:59PM MPL
1,1,1-TRICHLOROETHANE	EPA 624	ND ug/l	0.520 ug/l	06/03/08 09:59PM MPL
BENZENE	EPA 624	ND ug/l	0.610 ug/l	06/03/08 09:59PM MPL
1,2-DICHLOROETHANE	EPA 624	0.560 J ug/l	0.490 ug/l	06/03/08 09:59PM MPL
TRICHLOROETHENE	EPA 624	ND ug/l	0.660 ug/l	06/03/08 09:59PM MPL
1,2-DICHLOROPROPANE	EPA 624	ND ug/l	0.520 ug/l	06/03/08 09:59PM MPL
BROMODICHLOROMETHANE	EPA 624	ND ug/l	0.520 ug/l	06/03/08 09:59PM MPL
TOLUENE	EPA 624	ND ug/l	0.540 ug/l	06/03/08 09:59PM MPL
TRANS-1,3-DICHLOROPROPENE	EPA 624	ND ug/l	0.510 ug/l	06/03/08 09:59PM MPL
CIS-1,3-DICHLOROPROPENE	EPA 624	ND ug/l	0.450 ug/l	06/03/08 09:59PM MPL
1,1,2-TRICHLOROETHANE	EPA 624	ND ug/l	0.370 ug/l	06/03/08 09:59PM MPL
2-CHLOROETHYL VINYL ETHER	EPA 624	ND ug/l	0.620 ug/l	06/03/08 09:59PM MPL
DIBROMOCHLOROMETHANE	EPA 624	ND ug/l	0.460 ug/l	06/03/08 09:59PM MPL
1,2-DIBROMOETHANE	EPA 624	ND ug/l	0.530 ug/l	06/03/08 09:59PM MPL
TETRACHLOROETHENE	EPA 624	ND ug/l	0.540 ug/l	06/03/08 09:59PM MPL
CHLOROBENZENE	EPA 624	ND ug/l	0.670 ug/l	06/03/08 09:59PM MPL
ETHYL BENZENE	EPA 624	ND ug/l	0.530 ug/l	06/03/08 09:59PM MPL
M&P XYLENES	EPA 624	ND ug/l	1.09 ug/l	06/03/08 09:59PM MPL
O-XYLENE	EPA 624	ND ug/l	0.520 ug/l	06/03/08 09:59PM MPL
BROMOFORM	EPA 624	ND ug/l	0.450 ug/l	06/03/08 09:59PM MPL
ISOPROPYLBENZENE	EPA 624	ND ug/l	0.820 ug/l	06/03/08 09:59PM MPL
1,1,2,2-TETRACHLOROETHANE	EPA 624	ND ug/l	0.610 ug/l	06/03/08 09:59PM MPL
1,3-DICHLOROBENZENE	EPA 624	ND ug/l	0.480 ug/l	06/03/08 09:59PM MPL
1,4-DICHLOROBENZENE	EPA 624	ND ug/l	0.590 ug/l	06/03/08 09:59PM MPL
1,2-DICHLOROBENZENE	EPA 624	ND ug/l	0.550 ug/l	06/03/08 09:59PM MPL

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 - QC STATE ID's: Wind Gap, NJ PA001, PA 48-01334; E RUTHERFORD NJ02015; Vineland NJ06005; Reading PA 06-03543.
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Thomas J. Hines
 Thomas J. Hines, President

QC Laboratories

Analytical Report



Account No: 001225, LEGGETTE, BRASHEARS & GRAHAM RAMSEY NJ
 Project No: 001225, LEGGETTE, BRASHEARS & GRAHAM RAMSEY NJ

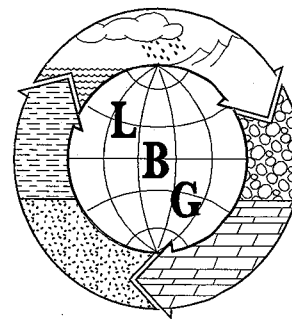
P.O. No:
 PWSID No:

Inv. No: 976148

1. QUALIFIERS: "B" is when the compound is found in the blank as well as in the sample; "J" indicates a value that is > than the MDL but < than the lowest standard, it is also used to indicate that a compound is tentatively identified in a library search; "E" (estimated) is when a compound exceeded the calibration range; "N" presumptive evidence of a compound; "D" is when a dilution was required.

- A result of "ND" indicates the concentration of the analyte tested was either not detected or below the RLS.
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 - QC NELAP ID's: PA 09-Q0131, NJ PA166, FL E87954, NY 11223, CT PH-0768, DE PA-018, KY 90228, MD 206, EPA PA00018. Bioassay: PA 09-03574, NJ PA034, FL E87953, KS E10373, SC 89020001.
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Thomas J. Hines
 Thomas J. Hines, President

LEGGETTE, BRASHEARS & GRAHAM, INC.PROFESSIONAL GROUND-WATER
AND ENVIRONMENTAL SERVICES6 ARROW ROAD, SUITE 103
RAMSEY, NEW JERSEY 07446PHONE (201) 818-0700 FAX (201) 818-0505
www.lbgweb.com

TO:	Angela Dees	FROM:	Spiros Zois
COMPANY:	PVSC	DATE:	6/25/2008
FAX No.:	973-344-4876	PAGES:	17
RE:	Clifton Reports	JOB:	8FH6OM6/DPWOM6

Angela,

Enclosed are the May 2008 MR-1 and MR-2 reports for the City of Clifton Firehouse #6 and DPW Garage. Grab samples were collected for PHC and VOC's and composite samples were used for BOD and metals.

Please call me at 201-818-0700 ext.112 if there are any questions regarding the reports. A hardcopy will follow by regular mail.

Thanks,
Spiros Zois

FAX TRANSMITTAL

QC Laboratories

Analytical Report



Account No: 001225, LEGGETTE, BRASHEARS & GRAHAM RAMSEY NJ
 Project No: 001225, LEGGETTE, BRASHEARS & GRAHAM RAMSEY NJ

P.O. No:
 PWSID No:

Inv. No: 976148

Sample Number	Sample Description	Samp. Date/Time/Temp	Sampled by
L2619317-1	CLIFTON FIREHOUSE #6 EFFLUENT GRAB	05/30/08 04:00pm NA F	Customer Sampled

Parameter	Method	Result	RLs	Test Date, Time, Analyst
HEXANE EXTR.-SGT (NON POLAR O+G)	1664ASGT@PHC	ND mg/l	5.00 mg/l	06/05/08 08:15PM JEJ

Sample Number	Sample Description	Samp. Date/Time/Temp	Sampled by
L2619317-2	EFFLUENT COMPOSITE Received Temp: 37 F Iced (Y/N): Y	05/30/08 04:00pm NA F	Customer Sampled

Parameter	Method	Result	RLs	Test Date, Time, Analyst
CADMIUM	EPA 600 Method 200.7	ND mg/l	0.00400 mg/l	06/05/08 08:42AM B B
COPPER	EPA 600 Method 200.7	ND mg/l	0.00300 mg/l	06/05/08 08:42AM B B
NICKEL	EPA 600 Method 200.7	ND mg/l	0.0100 mg/l	06/05/08 08:42AM B B
LEAD	EPA 600 Method 200.7	ND mg/l	0.00500 mg/l	06/05/08 08:42AM B B
ZINC	EPA 600 Method 200.7	ND mg/l	0.00500 mg/l	06/05/08 08:42AM B B
MERCURY	EPA 600 Method 245.1	ND mg/l	0.000200 mg/l	06/02/08 09:25PM CMC
BIOCHEMICAL OXYGEN DEMAND	SM 5210B	ND mg/l	2.10 mg/l	05/31/08 11:35AM LS

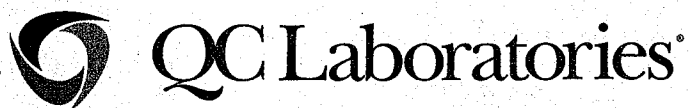
L2619317-1:
 1. @1664 SGT/PHC=non-polar materials of petroleum origin >C12.

L2619317-1:

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Thomas J. Hines
 Thomas J. Hines, President



Invoice

Inv. Date: 06-10-08

*** Customer Copy ***

RECEIVED
JUN 13 2008
LBG - NJ

Invoice No: 976149

Bill To:
Attn: SPIROS ZOIS
LEGGETTE, BRASHEARS, & GRAHAM
6 ARROW ROAD
SUITE 103
RAMSEY, NJ 07446

Acctnum: 001225

Terms: NET 30
PO#:
Status:

PRICE PER ANALYSES

Qty	Matrix	Analysis	Unit Price	Total Price
1	WASTEWATER	CADMIUM	7.00	7.00
1	WASTEWATER	COPPER	7.00	7.00
1	WASTEWATER	MERCURY	15.00	15.00
1	WASTEWATER	NICKEL	7.00	7.00
1	WASTEWATER	LEAD	7.00	7.00
1	WASTEWATER	ZINC	7.00	7.00
1	WASTEWATER	BIOCHEMICAL OXYGEN DEMAND	25.00	25.00
1	WASTEWATER	METHOD 1664, SILICA GEL (NONPOLAR O+G)	40.00	40.00
1	WASTEWATER	EPA 624+ACROLEIN/ACRYLONITRILE	100.00	100.00
1	MISC	NO CHARGE PICKUP	0.00	0.00
				\$ 215.00

PRICE PER SAMPLE

Sample No.	Matrix	Sample Date and Description	No. of Analyses per Sample	Total Price
L2619318-1	MISC	05/30 CLIFTON DPW EFFLUENT GRAB	3	140.00
L2619318-2	WASTEWATER	05/30 DPW EFFLUENT COMPOSITE	7	75.00
				\$ 215.00

2 Samples; 10 Analyses;

PAY THIS AMOUNT: \$ 215.00

Page 1

1205 Industrial Blvd., P.O. Box 514, Southampton, PA 18966-0514 Phone: 215-355-3900 Fax: 215-355-7231 www.qclaboratories.com

INVOICES OUTSTANDING 30 DAYS OR MORE WILL BE SUBJECT TO A MONTHLY 1 1/2% INTEREST CHARGE.
DISPUTED INVOICES MUST BE BROUGHT TO THE ATTENTION OF OUR CREDIT DEPARTMENT WITHIN 15 DAYS OF THE INVOICE DATE.

[illegible]

For example to aid completion, see reverse side.